

IN THE CLAIMS:

Sub. D2 > 8. (Twice amended) An embedded centrifugal cooling device, comprising:

g a heat sink, including a plurality of first cooling fins and a plurality of second cooling fins, wherein an annular cavity is defined between the first cooling fins and the second cooling fins; and

a centrifugal fan, formed in said annular cavity so as to be embedded into said heat sink.

Sub. D2 > 14. (Once amended) An embedded centrifugal cooling device, comprising:

CA a heat sink, including a plurality of first cooling fins and a plurality of second cooling fins, wherein a cavity is defined between the first cooling fins and the second cooling fins;

a centrifugal fan, formed in said cavity so as to be embedded into said heat sink; and

a cover formed on said heat sink and said centrifugal fan.

Please add the following new claims:

Sub. D2 > 19. (New) An embedded centrifugal cooling device, comprising:

a heat sink, including a plurality of first cooling fins and a plurality of second cooling fins, wherein a cavity is defined between the first cooling fins and the second cooling fins;

a centrifugal fan, having an axial direction and radial directions, disposed in said cavity so as to be embedded into said heat sink; and

3 a cover, including a plurality of inlets, disposed on said heat sink and said centrifugal fan, wherein air from ambience is flowed in the axial direction of the centrifugal fan into the heat sink from the inlets of the cover, and is flowed in the radial directions of the centrifugal fan out of the heat sink.

20. (New) The embedded centrifugal cooling device according to claim 19, wherein said cover serves as an air seal to keep airtight.

21. (New) The embedded centrifugal cooling device according to claim 19, wherein said cavity matches said centrifugal fan.

22. (New) The embedded centrifugal cooling device according to claim 19, wherein said cooling fins are distributed under and around a region extending from a central region of said centrifugal fan to a periphery of said centrifugal fan.

sub. D2 > 23. (New) The embedded centrifugal cooling device according to claim 19,
wherein said heat sink is made of a material chosen from the group consisting of
aluminum, aluminum alloy, copper, copper alloy and the combination thereof.

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The marked-up versions of the amended specification and claims are attached.